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Patent

Attorney Docket No. 1030681-000456

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

In-kyu Park et al.

Group Art Unit: 2628

Application No.: 10/727,660

Examiner: ROBERTA D. PRENDERGAST

Filing Date: December 5, 2003

Confirmation No.: 7457

Title: METHOD OF PERCEPTUAL 3D SHAPE DESCRIPTION AND METHOD AND APPARATUS FOR  
SEARCHING 3D GRAPHICS MODEL DATABASE USING THE DESCRIPTION METHOD

AMENDMENT/REPLY TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a reply for the above-identified patent application.

☐ A Petition for Extension of Time is also enclosed.

☐ Terminal Disclaimer(s) and the ☐ \$65.00 (2814) ☐ \$130.00 (1814) fee per  
Disclaimer due under 37 C.F.R. § 1.20(d) are also enclosed.

☐ Also enclosed is/are \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ Small entity status is hereby claimed.

☐ Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the  
☐ \$395.00 (2801) ☐ \$790.00 (1801) fee due under 37 C.F.R. § 1.17(e).

☐ Applicant(s) requests that any previously unentered after final amendments not be entered.  
Continued examination is requested based on the enclosed documents identified above.

☐ Applicant(s) previously submitted \_\_\_\_\_  
\_\_\_\_\_  
on \_\_\_\_\_  
for which continued examination is requested.

☐ Applicant(s) requests suspension of action by the Office until at least \_\_\_\_\_,  
which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R.  
§ 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also  
enclosed.

**Buchanan Ingersoll PC**  
ATTORNEYS

Including attorneys from Burns Doane Swecker & Mathis

Page 1 of 2  
(8/05)

- ☒ No additional claim fee is required.
- ☐ An additional claim fee is required, and is calculated as shown below.

AMENDED CLAIMS					
	No. of Claims	Highest No. of Claims Previously Paid For	Extra Claims	Rate	Additional Fee
Total Claims		MINUS =	0	x \$50.00 (1202) =	\$ 0.00
Independent Claims		MINUS =	0	x \$200.00 (1201) =	\$ 0.00
If Amendment adds multiple dependent claims, add \$360.00 (1203)					
Total Claim Amendment Fee					\$ 0.00
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Claim Amendment Fee					\$ 0.00
<b>TOTAL ADDITIONAL CLAIM FEE DUE FOR THIS AMENDMENT</b>					<b>\$ 0.00</b>

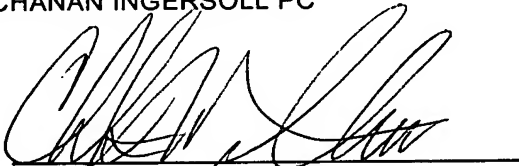
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

By



Charles F. Wieland III  
Registration No. 33,096

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Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: April 21, 2006



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
In-kyu PARK et al.	)	Group Art Unit: 2628
Application No.: 10/727,660	)	Examiner: Roberta D. Prendergast
Filed: December 5, 2003	)	Confirmation No.: 7457
For: METHOD OF PERCEPTUAL 3D	)	
SHAPE DESCRIPTION AND	)	
METHOD OF APPARATUS FOR	)	
SEARCHING 3D GRAPHICS	)	
MODEL DATABASE USING THE	)	
DESCRIPTION METHOD	)	

**RESPONSE TO RESTRICTION REQUIREMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants respectfully traverse the Restriction Requirement dated March 21, 2006. The Office has divided the claims into two groups. Group I includes claims 1-7 and is identified as being drawn to a method of perceptual 3-dimensional (3D) shape description, and Group II includes claims 8-15 and 16-20, drawn to a method and apparatus for searching a database of 3-dimensional (3D) graphics models.

Applicants note that Group II claims 8-20 actually depend from Group I claim 1. The search required of the Group II claims would logically encompass the search required for the Group I claims. Hence, the restriction is improper because a thorough examination of claims 8-20 would overlap and encompass the effort required for examining claim 1. Therefore, no undue burden sufficient to justify restriction is present, and the restriction should be withdrawn as not in compliance with MPEP 803.

For completeness, Applicants elect Group II, including Claims 8-15 and 16-20, drawn to a method and apparatus for searching a database of 3-dimensional (3D) graphics models.

In light of the foregoing, Applicants respectfully request withdrawal of the restriction requirement and earnestly solicit issuance of a favorable action on the merits.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: April 21, 2006

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